Bar Code Scanners — General Purpose

	Symbol DS6700	Symbol LS1203	Symbol LS2208	Symbol LS4208	Symbol LS4278	Symbol P460
Description	The Symbol DS6700 digital imager scanner combines a 1D/2D bar code scanner, 1.3 megapixel digital camera and a high performance document capture scanner in a single cost-effective device.	The Symbol LS1203 handheld scanner is designed to meet the needs and budgets of small retailers, delivering high quality laser scanning, user-friendly ergonomics and durability at an economical price.	This small, lightweight affordable scanner offers a single circuit board design to eliminate common points of failure, the ability to withstand everyday drops and integrated interfaces to provide the flexibility to connect to virtually any host.	This premiere general purpose laser scanner offers superb scanning performance with minimal user effort — features include an innovative multi-line rastering scan pattern for point and shoot scanning, superior motion tolerance and a wide working range.	The Symbol LS4278 offers the same superb scanning performance and unique features as the Symbol LS4208 along with cordless Bluetooth™ freedom and the security features needed to help ensure protection of your wirelessly transmitted data.	The Symbol P460 offers flexible real-time corded and batch mode cordless scanning to meet the needs of a wide variety of applications — and a convenient display window and keypad allows users to easily view, enter and delete scanned records.
Rugged Specifications	• IP43, water and dust resistant • Multiple 6 ft./1.8 m drops to concrete	• IP43, water and dust resistant • Multiple 5 ft./1.524 m drops to concrete	• Multiple 5 ft./1.5 m drops to concrete	• Multiple repeated 6 ft./1.8 m drops to concrete	• Multiple 5 ft./1.5 m drops to concrete	• IP54 standards (P360 only) • Multiple 5 ft./1.5 m drops to concrete over entire temperature range
Data Capture	1D, 2D, Image Capture	1D	1D	1D	1D	1D
Scan Type and Rate	Type: Omni-directional Rate: N/A	Type: Bi-directional Rate: 100 scans per second	Type: Bi-directional Rate: 100 scans per second	Type: Multi-line rastering Rate: 200 decodes per second	Type: Multi-line rastering Rate: 200 decodes per second	Type: Bi-directional Rate: 35 ±5 scans per second
Nominal Working Distance	Standard Range • 13 mil (100% UPC/EAN): 0.5 - 9.7 in. (1.3 - 24.6 cm) Document Capture • 13 mil (100% UPC/EAN): 0.8 - 16.8 in. (2 - 42.7 cm) Image Capture • 2.4 in/6.1 cm - 11.9 in/30.2 cm (dependent upon size of document)	From contact to 8 in./20.32 cm on 100% UPC/EAN symbols	From contact to 17 in./43 cm on 100% U.P.C./EAN symbols	• 5 mil (Code 39): 1.5 to 5.5 in. (3.81 to 13.97 cm) • 13 mil (100% UPC/EAN): 0 to 19 in. (0 to 48.25 cm) • 10 mil (Code 39): 0 to 14 in. (0 to 35.56 cm) • 20 mil (Code 39): 0 to 29 in. (0 to 73.66 cm)	• 5 mil (Code 39): 1.5 to 5.5 in. (3.81 to 13.97 cm) • 13 mil (100% UPC/EAN): 0 to 19 in. (0 to 48.25 cm) • 10 mil (Code 39): 0 to 14 in. (0 to 35.56 cm) • 20 mil (Code 39): 0 to 29 in. (0 to 73.66 cm)	See Decode Zone
Style	Handheld	Handheld	Handheld	Handheld	Handheld	Handheld
Interfaces	RS-232C (Standard, Nixdorf, ICL, and Fujitsu); USB (Standard, IBM SurePOS, Macintosh) and Synapse connectivity allows for connectivity to all of the above plus many non-standard interfaces. DS6708: Includes above plus IBM 468x/469x and keyboard wedge	RS-232; Keyboard Wedge; USB	RS232, Keyboard Wedge, Wand, IBM 468X/9X, USB, Synapse and Undecoded	RS-232C (Standard, Nixdorf, ICL, & Fujitsu); IBM 468x/469x; Keyboard Wedge; USB (Standard, IBM SurePOS, Macintosh); Laser/ Wand Emulation. In addition, Synapse Adaptive Connectivity allows for connectivity to all of the above plus many non-standard interfaces.	RS-232C (Standard, Nixdorf, ICL and Fujitsu); IBM 468x/469x; keyboard wedge; USB (Standard, IBM SurePOS, Macintosh); laser/wand emulation.In addition, Synapse adaptive connectivity allows for connectivity to all of the above plus many non-standard interfaces.	RS-232, MCL-Link Lite or Symbol Synapse cables (Keyboard Wedge, USB, OCIA, Dual RS-232, etc.)
Warranty	5 years	3 years	5 years	5 years	3 years	1 year
Recommended Services	Service from the Start Advance Exchange Support	Service from the Start Advance Exchange Support	Service from the Start Advance Exchange Support	Service from the Start Advance Exchange Support	Service from the Start — Bronze	Service from the Start — Bronze

	Symbol P470	Symbol LS7708	Symbol LS7808	Symbol LS9203	Symbol LS9208	Symbol M2000
Description	The Symbol P470 adds an extended working range to the Symbol P460, enables accurate bar code scanning from 30 ft./9.1 m, allowing workers to move throughout the workspace to scan heavy items or check carts for 'forgotten' items, take inventory in the stock room, verify shelf pricing and more.	The Symbol LS7708 is ideal for medium to high-volume scanning environments, such as grocery, drug and convenience stores. This flexible on-counter scanner offers presentation and swipe scanning and a dense rastering omni-directional scan pattern for first-pass reading without precise positioning of the bar code.	The Symbol LS7808 provides exceptional scanning performance, enabling cashiers to deliver faster and more personalized service at the point of sale. This flush-mounted in counter scanner includes a large omni-directional scan window, integrated EAS and advanced software algorithms to enable first time reading of virtually any bar code.	The Symbol LS9203 is an affordable omni-directional scanner that can be used in either hands-free or handheld mode, eliminating the need to lift heavy items — effectively reducing the risk of injury. The plug-and -play device requires no training, and the small footprint is ideal for tight checkout environments.	This hands-free scanner offers a high-performance processor, an innovative 100-line rastering omni-directional scan pattern that enables rapid bar code scanning regardless of the orientation of the product, dynamic selection of hands-free and handheld modes and a small footprint for the tightest environments.	This combination hands-free/ handheld scanner enables scanning of any size item, providing maximum flexibility. The intuitive and easy-to-use Symbol M2000 automatically shifts from hands-free to handheld mode when lifted and adjusts the scan pattern as needed. And four user-selectable scan patterns ensure outstanding scanning performance.
Rugged Specifications	• IP54 standards (P370 only) • Multiple 5 ft./1.5 m drops to concrete over entire temperature range	• N/A	• N/A	• Multiple 4 ft./1.2 m drops to concrete	• Multiple 4 ft./1.2 m drops to concrete	• Multiple 4 ft./1.2 m drops to concrete
Data Capture	1D					1D, 2D
Scan Type and Rate	Type: Bi-directional Rate: 35 ±5 scans per second	Type: Omni-directional Rate: Static/Raster Omni-directional: 2400 scans/ second	Type: Omni-directional Rate: 1,800 scan lines per second	Type: Omni-directional Rate: 1,500 scans per second	Type: Multi-line rastering Rate: Omni-directional: 1,500 scans per second Single scan line: 75 scans per second	Type: Single line 2-D raster Omni-directional Semi-omni-directional Rate: Omni-directional: 640 x 22 frames/sec. Raster: 590 x 22 frames/sec. Single Line: 590 x 22 frames/sec.
Nominal Working Distance	See Decode Zone	• 5 mil: (38%) 0.5 in. - 2.5 in. (1.25 cm - 6.4 cm) • 7.8 mil: (60%) 0 - 5.0 in. (0 -12.7 cm) • 10.4 mil: (80%) 0 - 7.5 in. (0 -19.0 cm) • 13 mil: (100%) 0 - 10.0 in. (0 - 25.4 cm)	• 5 mil: (38%) 0 – 0.5 in. / 1.27 cm • 7.8 mil: (60%) 0 – 4 in. / 10.16 cm • 10.4 mil: (80%) 0 – 5 in. / 12.7 cm • 13 mil: (100%) 0 – 7 in. / 17.78 cm	• 5 mil: (38%) 1 to 2.5 in. (2.5 to 6.4 cm) • 7.8 mil: (60%) 0 to 6 in. (0 to 15.2 cm) • 10.4 mil: (80%) 0 to 7.5 in. (0 to 19 cm) • 13 mil: (100%) 0 to 8.5 in. (0 to 21.6 cm)	• 5 mil: (38%) 1 to 2.5 in. (2.5 to 6.4 cm) • 7.8 mil: (60%) 0 to 6 in. (0 to 15.2 cm) • 10.4 mil: (80%) 0 to 7.5 in. (0 to 19 cm) • 13 mil: (100%) 0 to 8.5 in. (0 to 21.6 cm)	From near contact to 9 in./22.86 cm on 100% UPC/EAN symbols
Style	Handheld	Presentation	Presentation	Handheld; Handsfree	Handheld; Handsfree	Handheld; Handsfree
Interfaces	RS-232, MCL-Link Lite or Symbol Synapse cables (Keyboard wedge, USB, OCIA, Dual RS-232, etc.)	USB, RS 232, IBM® 468X/9X, Keyboard Wedge, and Synapse™ (allows connectivity to virtually every POS host type), SPCI (for 123 Scan)	RS-232C (Standard, Nixdorf, ICL, & Fujitsu); IBM 468X/469X; Keyboard Wedge; USB (Standard, IBM SurePOS, Macintosh); Synapse (allows for connectivity to all of the above plus many non-standard interfaces)	USB, RS 232, Keyboard Wedge and Wand	USB, RS232, IBM® 468X/9X, Keyboard Wedge, Wand and Synapse™ (allows connectivity to virtually every POS host type)	IBM 468X, 469X; Universal Serial Bus (USB), RS-232C, Wand Emulation, OCR, OCIA, Fujitsu, ICL, NCR, Nixdorf, Omron, TEC, Sharp, Casio POS and Computer Keyboard Wedges from IBM, DEC Telex, NCR, WYSE, HP and other manufacturers
Warranty	1 year	2 years	3 years	2 years	30 months	3 years
Recommended Services	Service from the Start — Bronze	Service from the Start Advance Exchange Support	Service from the Start with Comprehensive Coverage	Service from the Start Advance Exchange Support	Service from the Start Advance Exchange Support	Service from the Start Advance Exchange Support

Bar Code Scanners — Rugged

	Symbol DS3407SF	Symbol DS3408SF	Symbol DS3408DP	Symbol LS3008	Symbol LS3408FZ	Symbol LS3408ER
Description	The Symbol DS3407SF is equipped with charge coupled device (CCD) image sensors, similar to those found in high-end digital cameras, enabling scanning of any bar codes from any angle at a faster rate than other digital scanners. The additional ability to quickly capture and transfer signatures, documents and photos enables the creation of electronic records of transactions, significantly reducing the cost of administering paper-based records.	The Symbol DS3408SF is equipped with charge coupled device (CCD) image sensors, similar to those found in high-end digital cameras, enabling scanning of 1D and 2D bar codes from any angle at a faster rate than other digital scanners.	The Symbol DS3408DP offers all the functionality of the Symbol DS3408SF, plus the ability to read Direct Part Marks — including dot peen as well as laser etch, chemical etch, inkjet, mold, cast and thermal spray marks. Ideal for automotive, medical and aero-space manufacturers, the device enables easy tracking of parts throughout the production cycle, as well as solution sequencing and error proofing.	The Symbol LS3008 offers durability and ease-of-use in a lightweight ergonomic design. The innovative multi-line rastering scan pattern eliminates the need for exact aim and positioning. The device is built to withstand washdowns, and offers single board construction and a frictionless Liquid Polymer Scan element to eliminate common areas of vulnerability.	The Symbol LS3408 Series offers excellent scanning performance and a rugged design without sacrificing affordability. This 'FZ' model also offers fuzzy logic technology, enabling the accurate first time reading of even damaged, dirty and poorly printed bar codes.	The Symbol LS3408 Series offers excellent scanning performance and a rugged design without sacrificing affordability. In addition, this model offers 'extended range' (ER) scanning, able to accurately read bar codes as close as 4 in./10.16 cm and as far away as 45 ft./13.71 m.
Rugged Specifications	• IP65 • Multiple 6.5 ft./2 m drops to concrete	• IP65 • Multiple 6.5 ft./2 m drops to concrete • 2,000 3.5 ft./1 m tumbles (4,000 hits)	• IP65 • Multiple 6.5 ft./2 m drops to concrete • 2,000 3.5 ft./1 m tumbles (4,000 hits)	• IP53 • Multiple drops to concrete at: Room temp. – 6.5 ft./2 m drops Across operating temp. – 6 ft./ 1.825 m	• IP65 • Multiple drops to concrete at: Room temp. – 6.5 ft./2 m drops Across operating temp. – 6 ft./ 1.825 m • 2,500 3.5 ft./1 m tumbles (5,000 hits)	• IP65 • Multiple6.5 ft./2 m drops to concrete
Data Capture	1D, 2D, Image Capture	1D, 2D, Image Capture	1D, 2D, Image Capture, DPM	1D	1D	1D, 2D, Image Capture, DPM
Scan Type and Rate	Type: Omni-directional Rate: N/A	Type: Omni-directional Rate: N/A	Type: Omni-directional Rate: N/A	Type: Multi-line rastering Rate: 200 decodes per second	Type: Retrocollective Rate: 36 scans per second typical	Type: Retrocollective Rate: 36 scans per second typical
Nominal Working Distance	From 1 in./2.5 cm to 14 in./35 cm on 100% UPC/EAN symbols	From 1 in./2.5 cm to 14 in./35 cm on 100% UPC/EAN symbols	From 1 in./2.5 cm to 14 in./35 cm on 100% UPC/EAN symbols	• 13 mil (100% UPC/EAN): 0 to 19 in. (48.25 cm) • 5 mil (Code 39): 1.25 to 5.25 in. (3.17 to 13.33 cm)	See Decode Zone	See Decode Zone
Style	Handheld	Handheld	Handheld	Handheld	Handheld	Handheld
Interfaces	RS232, Keyboard Wedge, Wand Emulation, Scanner Emulation, IBM 468X/469X, USB and Synapse	RS232, Keyboard Wedge, Wand Emulation, Scanner Emulation, IBM 468X/469X, USB and Synapse	RS232, Keyboard Wedge, Wand Emulation, Scanner Emulation, IBM 468X/469X, USB and Synapse	RS-232C (Standard, Nixdorf, ICL, & Fujitsu); IBM 468x/469x; Keyboard Wedge; USB (Standard, IBM SurePOS, Macintosh); Laser/ Wand Emulation; In addition Synapse Adaptive Connectivity allows for connectivity to all of the above plus many non-standard interfaces	RS232, Keyboard Wedge, Wand Emulation, Scanner Emulation, IBM 468X/469X, USB and Synapse	RS232, Keyboard Wedge, Wand Emulation, Scanner Emulation, IBM 468X/469X, USB and Synapse
Warranty	3 years	3 years	3 years	3 years	3 years	3 years
Recommended Services	Service from the Start Advance Exchange Support	Service from the Start Advance Exchange Support	Service from the Start Advance Exchange Support	Service from the Start Advance Exchange Support	Service from the Start Advance Exchange Support	Service from the Start Advance Exchange Support

	Symbol P360	Symbol DS3478SF	Symbol DS3478DP	Symbol LS3478ER	Symbol LS3478FZ	Symbol P370
Description	The Phaser Symbol P360 offers an award-winning forward-scanning pistol grip, minimizing fatigue in scan-intensive applications so your employees are more productive even during long shifts. And the display screen and optional keypad enable on-the-spot confirmation, entry and correction of scanned data.	The rugged Symbol DS3478 handheld scanner enables the capture of 1D/2D bar codes and images. The omni-directional pattern enables true point-and-shoot scanning. The device can read even poorly printed, damaged and higher and lower density bar codes, and is built to endure repeated drops, washdowns, and exposure to dust and liquids.	The Symbol DS3478DP offers all the functionality of the Symbol DS3478SF, plus the ability to read Direct Part Marks — including dot peen as well as laser etch, chemical etch, inkjet, mold, cast and thermal spray marks. Ideal for automotive, medical and aerospace manufacturers, the device enables easy tracking of parts throughout the production cycle, as well as solution sequencing and error proofing.	The Symbol LS3478 Series of scanners combines a rugged design with ergonomic full-shift comfort and cordless convenience. The device offers maximum sealing and drop specifications, an audible and visual cue when a successful scan is completed (ideal in noisy or dimly lit areas), plus an extended scanning range from 4 in./10.16 cm to 45 ft./13.72 m.	The Symbol LS3478 Series of scanners combines a rugged design with ergonomic full-shift comfort and cordless convenience. The device offers maximum sealing and drop specifications, an audible and visual cue when a successful scan is completed (ideal in noisy or dimly lit areas). And fuzzy logic technology enables the rapid and accurate capture of virtually any bar code in any condition.	This cordless version of the Phaser Symbol P360 offers an award-winning forward-scanning pistol grip, minimizing fatigue in scan-intensive applications so your employees are more productive, even during long shifts. And the display screen and optional keypad enable on-the-spot confirmation, entry and correction of scanned data.
Rugged Specifications	• IP54 • Multiple 6 ft./1.8 m drops to concrete over entire temperature range	• IP65 • Multiple 6.5 ft./2 m drops to concrete • 2,000 3.5 ft./1 m tumbles (4,000 hits)	• IP65 • Multiple 6.5 ft./2 m drops to concrete • 2,000 3.5 ft./1 m tumbles (4,000 hits)	• IP65 • Multiple 6.5 ft./2 m drops to concrete	• IP65 • Multiple 6.5 ft./2 m drops to concrete • 2,500 3.5 ft./1 m tumbles (5,000 hits)	• IP54 • Multiple 6 ft./1.8 m drops to concrete over entire temperature range • 2,500 3.5 ft./1 m tumbles (5,000 hits)
Data Capture	1D	1D, 2D, Image Capture	1D, 2D, Image Capture, DPM	1D	1D	
Scan Type and Rate	Type: Bi-directional Rate: 35 ±5 scans per second	Type: Omni-directional Rate: N/A	Type: Omni-directional Rate: N/A	Type: Retrocollective Rate: 36 scans per second typical	Type: Retrocollective Rate: 36 scans per second typical	Type: Bi-directional Rate: 35 ± 5 scans per second
Nominal Working Distance	See Decode Zone	See Decode Zone	See Decode Zone	See Decode Zone	See Decode Zone	See Decode Zone
Style	Handheld	Handheld	Handheld	Handheld	Handheld	Handheld
Interfaces	RS-232, MCL-Link Lite or Symbol Synapse cables (Keyboard Wedge, USB, OCIA, Dual RS-232, etc.)	RS232, Keyboard Wedge, Wand Emulation, Scanner Emulation, IBM 468X/469X, USB and Synapse	RS232, Keyboard Wedge, Wand Emulation, Scanner Emulation, IBM 468X/469X, USB and Synapse	RS232, Keyboard Wedge, Wand Emulation, Scanner Emulation, IBM 468X/469X, USB and Synapse	RS232, Keyboard Wedge, Wand Emulation, Scanner Emulation, IBM 468X/469X, USB and Synapse	RS-232, MCL-Link Lite or Symbol Synapse cables (Keyboard wedge, USB, OCIA, Dual RS-232, etc.)
Warranty	1 year	3 years	3 years	3 years	3 years	1 year
Recommended Services	Service from the Start — Bronze	Service from the Start — Bronze	Service from the Start — Bronze	Service from the Start — Bronze	Service from the Start — Bronze	Service from the Start — Bronze

Micro Kiosks™

	Symbol MK1200	Symbol MK2000
Description	The Symbol MK1200 Micro Kiosk™ enables cost-effective digital advertising, price verification and bar code scanning applications throughout the retail environment.	The Symbol MK2000 Micro Kiosk™ enables cost-effective multimedia, price verification and bar code scanning applications throughout the retail environment.
Physical Characteristics	• Microsoft Windows CE 4.2 • Intel XScale 200 MHz • Flash: 32 MB/RAM: 32 MB DRAM • Internet Explorer CE V6 • 1 Type II/III PC Card	• Microsoft Windows CE 4.1 • Intel XScale 400 MHz • Flash: 64 MB/RAM: 32 MB DRAM • Internet Explorer CE V6 • 1 Type II/III PC Card; 1 Type I/II CompactFlash™ Card
Display	• 5.7 in./14.5 cm diagonal • 320 x 240 pixels (1/4 VGA) • Touchscreen — Optional	• 6.4 in./16.26 cm diagonal • 640 x 480 pixels (Full VGA) active maxtrix • Touchscreen
Data Capture	1D, 2D, optional magnetic stripe reader	1D, 2D, optional magnetic stripe reader
Connectivity	• Serial: RS-232 • Ethernet: 10/100 MB Ethernet • WLAN: 11 Mbps (802.11b)	• Serial: RS-232 and RS-485 • Ethernet: 10/100 Mbps (802.3) • WLAN: 802.11b
Audio and Video Capabilities	• Audio Ports: Beeper • Audio: N/A • Images: GIF, JPEG and BMP • Video: N/A	• Audio Ports: Speakers; headphone jack; stereo line out; microphone • Audio: WMA and MP3 • Images: GIF, JPEG and BMP • Video: WMV and MPEG
Warranty	3 years	3 years
Recommended Services	Service from the Start — Bronze	Service from the Start — Bronze

OEM

	Symbol MS954	Symbol MS12XXFZY	Symbol MS12XXWA	Symbol MS22XX	Symbol MS32XX	Symbol MS4400	Symbol SE950/955
Description	This compact, durable, fixed mount scanner is one of the smallest, lightest and brightest fixed-mount scanners available — ideal for accurate automated data collection in space constrained devices. The MS954 offers a configurable scan angle of 47° and 35° for a flexible, expanded working range, and can be software-controlled or manually triggered for hands-free or unattended applications.	The Symbol MS12XXFZY incorporates fuzzy logic for premium scanning performance on all types of 1D codes — including poorly printed and low contrast. Ideal for embedded applications such as kiosks, clinical diagnostics and medical equipment, it can also be used as a fixed mount scanner in warehouse, manufacturing or conveyor belt applications.	The MX12XXWA wide angle scanner features a broad 60 degree scan angle to accommodate large 1D bar codes within extremely close range. The MS12XXWA is ideal for high-volume, near contact scanning required in kiosks, ATMs, assembly lines and many warehouse and shipping applications. This product is sealed for those tough environments.	The Symbol MS22XX is an advanced, high-performance and high-throughput 1D/PDF industrial fixed-mount scanner — ideal for manufacturing, warehousing and OEM applications. The high-speed, smart raster pattern is ideal for applications that require high-speed scanning such as conveyor belts, gas pumps, security/ID verification and any other automated data entry device.	The Symbol MS32XX is a high-performance, fixed-mount scanner that provides an easy, cost-effective way to enhance existing OEM devices with 1D and PDF scanning. The small form factor combines with high-speed omni-directional scanning to provide the perfect solution for any application requiring fast, accurate scanning — such as kiosks, ATMs, listening stations, point-of-sale and more.	The Symbol MS4400 is one of the smallest charged couple device (CCD) imaging products available today, offering maximum diversity in data capture with a new level of miniaturization. The device delivers high performance 1D and 2D bar code scanning as well as signature and image capture in the tightest of spaces.	The Symbol SE950/SE955 miniature scan engine raises the bar, offering best-in-class quality, reliability, durability and scanning performance. The device offers a wide working range, a patented frictionless Liquid Polymer Scan Technology will not wear out, and the elimination of fragile silicon mirrors that combines with the die cast chassis to enable the device to handle drop shocks up to 2000 Gs.
Rugged Specifications	• Multiple 30 in./76 cm drops to concrete	• IP54 • Multiple 30 in./76 cm drops to concrete	• IP54 • Multiple 30 in./76 cm drops to concrete	• IP54 • Multiple 30 in./76 cm drops to concrete	• IP54 • Multiple 30 in./76 cm drops to concrete	• Multiple 30 in./76 cm drops to concrete	• 2000G
Data Capture	1D	1D	1D	1D, 2D	1D, 2D	1D, 2D, image capture, DPM	1D
Scanning Specifics	• Type: Bi-directional • Rate: 104 ± 12% scans/sec • Specialty: Wide angle	• Type: Bi-directional • Rate: 35 +- 5% scans/sec • Specialty: Fuzzy logic	• Type: Bi-directional • Rate: 35 +- 5% scans/sec • Specialty: Wide angle	• Type: Bi-directional or omni-directional • Rate: 640 scans/sec	• Type: Omni-directional • Rate: 640 scans/sec nominal	• Type: Omni-directional	• Type: Bi-directional • Rate: 104 ± 12% scans/sec
Nominal Working Distance	• Near contact to 35 in./88.9 cm	• Near contact to 75 in./190.5 cm	• Near contact to 724 in./60.96 cm	• 1D: Near contact to 30 in./76.2 cm • 2D: Near contact to 15 in./38.1 cm	• Near contact to 12.5 in./32.75 cm	• 1D: Near contact to 18.5 in./46.99 cm • 2D: Near contact to 12 in./30.48 cm	• From 1 in./2.54 cm to over 4 ft./1.22 m
Interfaces	RS-232	RS-232, USB, Synapse, TTL	RS-232, USB, Synapse, TTL	RS-232, USB, Synapse	RS-232, USB, Synapse	RS-232, USB, TTL	Serial
Warranty	1 year	3 years	1 year	1 year	3 years	1 year	15 months
Recommended Services	Service Center Support — Bronze	Service Center Support — Bronze	Service Center Support — Bronze	Service Center Support — Bronze	Service Center Support — Bronze	Service from the Start Advance Exchange Support	N/A

	Symbol SE1224HP	Symbol SE1223WA	Symbol SE1223LR	Symbol SE2223	Symbol SE3223	Symbol SE4400 with PL4407
Description	The Symbol SE1224HP leverages fuzzy logic for premium scanning performance on poorly printed and low contrast 1D bar codes. This scan engine delivers an excellent working range from contact to beyond 60 in./152 cm. The wide temperature range, immunity to ambient light and durable design ensure excellent performance in any environment. Slightly larger than one cubic inch, the compact form factor of the Symbol SE1224HP easily integrates into portable and fixed-mount OEM devices.	The Symbol SE1223 Wide Angle scan engine features a broad, 53 degree scan angle to accommodate wider bar codes for at- or near-contact scanning in retail, warehouse and fixed-mount applications. Blink mode and intelligent bar code sensing automatically trigger the scan engine for fast, reliable data capture.	The 1.15 cubic inch Symbol SE1223LR offers the wide working range required to support portable and fixed mount long range scanning applications. The 20 ft./6.1 m range combines with an extra birght scan line to make distance scanning easy and intuitive. And a wide temperature range, high immunity to ambient light and a durable shock resistant design deliver dependable scanning performance — inside and outside.	The Symbol SE2223 scan engine is an adaptive, multi-pattern scan engine packing power and performance into one of the smallest package available, offering: fast reliable capture of all 1D and PDF codes; high-speed (640 scans per second) smart raster scan pattern for aggressive performance on PDF417 and Composite codes; a highly visible laser diode and special 'aim' mode for easy and intuitive data capture; and a durable zinc chassis.	The Symbol SE3223 is high-speed omni-directional scan engine that offers all the features and functionality of the SE2223, with the additional of three different scan patterns for 1D and PDF417 bar codes. This high level of flexibility enables a single engine to meet the needs of a wide variety of OEM products, increasing the efficiency of product design and enabling easy and cost-effective product upgrades.	The compact Symbol SE4400 Imager is optimized to read all 1D and 2D bar code symbols omni-directionally as well as capture images and signatures. Its unique design and small size is ideal for manufacturing, healthcare, kiosk, security/identification and more. And two focal positions enable the greatest decode range — the engine can be programmed to fix the focus at either the near or far focal distance.
Rugged Specifications						
Data Capture	1D	1D	1D	1D, 2D PDF and Composite Codes	1D, 2D	1D, 2D, image capture, DPM
Scanning Specifics	• Type: Bi-directional • Rate: 35 +/- 5% scans/sec • Specialty: Fuzzy logic	• Type: Bi-directional • Rate: 35 +/- 5% scans/sec • Specialty: Wide angle	• Type: Bi-directional • Rate: 35 +/- 5% scans/sec • Specialty: Long range	• Type: Bi-directional, raster, omni-directional • Rate: 640 scans/sec +/- 10%	• Type: Bi-directional, raster, omni-directional • Rate: 640 scans/sec +/- 10%	• Type: Omni-directional • Rate: 640 scans/sec +/- 10%
Nominal Working Distance	• From contact to beyond 60 in./152 cm	• From contact to beyond 25 in./65.3 cm	• Up to 20 ft./6.1 m for 100 mil reflective symbols	• 1D: Near contact to 32 in./81.28 cm • 2D: Near contact to 16 in./40.64 cm	• 1D: Near contact to 13.5 in./34.29 cm • 2D: Near contact to 33 in./83.82 cm	• 1D: Near contact to 21.5 in./54.61cm • 2D: Near contact to 13.7 in./34.798 cm
Interfaces	Serial		Serial, 8-pin ZIF connector	Serial, 12-pin ZIF connector	Serial	Serial, USB
Warranty	15 months	15 months	15 months	15 months	15 months	15 months
Recommended Services	N/A	N/A	N/A	N/A	N/A	N/A

RFID Readers

	XR440 Fixed RFID Reader	XR480 Fixed RFID Reader	RD5000 Mobile RFID Reader	MC9090-G RFID Handheld Reader
Description	Building on the successful XR400 platform, the XR440 industrial-class Gen 2 reader offers maximum functionality for large-scale RFID deployments.	The XR480 is an industrial-class Windows® CE standards-based Gen 2 EPC and ETSI 302 208 compliant RFID reader that delivers maximum functionality, while reducing the complexity of RFID implementations.	The self-contained, cable-free and compact RD5000 Mobile RFID Reader can be installed anywhere — on a wide range of mobile material handling equipment and just about any hard to reach indoor or outdoor location.	The exceptionally rugged and flexible MC9090-G RFID is ideal in enterprises with multiple types of product identification and tracking systems deployed — the device can read and write Gen 1 and Gen 2 RFID tags, capture 1D and 2D bar codes and images. Features include: • Operating System: Microsoft Windows Mobile 5.0 Premium Edition • CPU: Intel XScale Bulverde PXA270 @ 624 MHz • Memory: RAM 64 MB; ROM 64 MB • Expansion Slot: SD/MMC card • Display: 3.8 in. QVGA color • Rugged Specifications: Sealing — IP64 (electronic enclosure, display and keypad) Drop Spec — 6 ft./1.8 m across the operating temperature range Tumble Test — 2,000 one-meter tumbles at room temperature (4,000 hits) • Data Capture: Gen 1 (Class 0 & Class 1) and Gen 2 RFID tags, omnidirectional reading of 1D and 2D bar codes; image capture • RFID Standards: EPC Gen 1 (Class 0 & Class 1); Gen 2 • Connectivity: WLAN 802.11b; WPAN • Warranty: 1 year • Services: Service from the Start with Comprehensive Coverage
Read Points	4 read points (4 transmit; 4 receive)	8 read points in single port mode; 4 read points in dual-port mode	N/A	
Physical Characteristics	• Microsoft Windows CE 5.0 • Flash 64 MB; DRAM 64MB	• Microsoft Windows CE 4.2 • Flash 64 MB; DRAM 64MB	• Microsoft Windows CE 5.0 • RAM 64 MB; ROM 64 MB	
Rugged Specifications	• IP53 • Operating temperature: 32°F to 141°F/ 0°C to 55°C	• Operating temperature: -14°F to 140°F/ -10°C to 60°C	• IP66 • Drop spec. 30 in./76.2 cm to concrete; over 3500 70-g and 21,600 60-g shocks • Operating temperature: -4°F to 122°F/ -20°C to 50°C	
External Interfaces	Control IO Port — DB15; USB Host — USB; RS232 Serial Console — DB9	Control IO Port — DB15; USB Host — USB Type A; US Client — USB Type B; RS232 Serial Console — DB9	N/A	
Connectivity	10/100 BaseT Ethernet; RJ45	10/100 BaseT Ethernet; RJ45	WLAN: 802.11a/b/g; WPAN	
Frequency	UHF band — 902-928 MHz US		UHF band — 902-928 MHz US	
Protocols	• Tag: EPC Gen 2 (Dense Reader Mode) • Host interface: XML/HTTP and Byte Stream • Management: SNMP and AirBeam level 2	• Tag: EPC Gen 2 (Dense Reader Mode) • Host interface: XML and Byte Stream • Management: SNMP and future support for MSP • European ETSI EN 302 208	• Tag: EPC Gen 2 (Dense Reader Mode) • Host interface: N/A • Management: N/A	
Warranty	1 year	1 year	1 year	
Recommended Services	Service from the Start Advance Exchange Support; Advanced Services for RFID	Service from the Start Advance Exchange Support; Advanced Services for RFID	Service from the Start with Comprehensive Coverage; Advanced Services for RFID	

RFID Tags

RFID Tags

Asset Management RFID Tag Solutions

Motorola and our network of certified, molded tag converter partners provide rugged, high-performance hardened tag solutions for the most demanding RFID applications and environments. These RFID tags are ideal for tagging plastic and metal totes, IT equipment, gas bottles, baggage, machinery and more.

Cargo Tag
All-weather tag designed to withstand 24-hour-a-day exposure to nearly any environmental condition.

- EPC-compliant Gen 2, Class 1
- Read range up to 40 ft./12.19 m
- Write range up to 10 ft./3.05 m
- Memory 96-bit with 16-bit control for lock and kill features
- Operating temperature: -4°F to 185°F/-20°C to 85°C
- Rugged specifications: tested for vibration, shock, rain, dust, oil/chemical resistance, light immunity

Supply Chain Management RFID Tag Solutions

Motorola and our network of certified, label converter partners provide high-performance RFID tagging solutions for case, carton, pallet and item level applications. These partners serve a wide range of geographies and industries to fit the specific needs of your business.

Custom RFID Tag Solutions

In addition to Asset and Supply Chain Management tags, Motorola can design high-performance custom RFID tags for unique materials and specialized applications.

RFID Antennas

	AN480 RFID Antenna	AN400 RFID Antenna	AN200 RFID Antenna
Description	The AN480 Single Port Antenna offers maximum performance and flexibility with a low axial ratio that is nearly 50 percent lower than typical competitive devices, delivering a more uniform gain.	The AN400 High-performance Antenna is designed to deliver high performance in reading RFID tags in large areas.	The AN200 Dual Directional Antenna delivers RFID performance in a compact, lowprofile housing designed for greater mounting and application flexibility.
Type	Single Port RFID Antenna	High-performance RFID Antenna	General Purpose, Indoor/Outdoor RFID Antenna
Frequency	865-956 MHz	902-928 Mhz	900-928 MHz
Operating Temperature	-40°F to 149°F -40°C to +65°C	32°F to 122°F 0°C to 50°C	-40°F to 149°F -40°C to 65°C
Sealing	IP54	N/A	N/A
Rugged Testing	• Cold • Heat • Temperature shock • Humidity • Rain • Salt fog • Random vibration	• Cold • Heat • Temperature shock • Humidity • Rain • Salt fog • Random vibration	• Cold • Heat • Temperature shock • Humidity • Rain • Salt fog • Random vibration
Worldwide Use	Yes	N/A	N/A
Recommended Services	On Site System Support — Bronze	On Site System Support — Bronze	On Site System Support — Bronze

Mobile Computers — Industrial Class

	MC1000	MC3000/MC3090	MC3090-G	MC9090-G	MC909X-K	MC909X-S
Description	The slim value-priced MC1000 offers rugged construction, robust 1D bar code scanning and data entry for batch applications in light industrial environments.	This small lightweight ergonomic device offers the latest in processing power to run virtually any application, and is built to withstand dusty environments, moisture and extreme temperatures.	The MC3090-G offers the same functionality of the MC3090 in a gun-style device. Available in the same three configurations as the MC3090 — monochrome/1D; color 1D, color 1D/2D/image capture .	MC9090-G offers rugged computing, advanced data capture capabilities, real-time communications and wireless connectivity to the corporate network, the desktop, printers, wireless headsets and more.	This integrated voice and data device offers the functionality of the MC9090-G plus robust voice capabilities inside and outside the four walls.	This integrated voice and data device offers all the functionality of the MC909X-K in a convenient, compact form factor, offering a smaller and lighter design for all day task-intensive jobs.
Physical Characteristics	• Microsoft Windows® CE 4.2 • Intel XScale 312 MHz processor • 32MB RAM/ 32MB ROM • User-accessible SD slot (with secure cover) • 21-key, numeric/shifted alpha • TFT-LCD, monochrome, 240 x 240, no touch	• Microsoft Windows® CE 5.0 • Intel XScale PXA270 312 MHz processor • 64MB RAM/ 32MB ROM • User-accessible SD slot (with secure cover) • Keyboard options include 28, 38 and 48 keys • 320 x 320 resolution color/mono display (with backlight)	• Microsoft Windows® CE 5.0	• Choice of Windows Mobile® 5.0 or Windows CE 5.0 • Intel XScale Bulverde PXA270 processor at 624 MHz • 64MB RAM/64 MB ROM • SD/MMC card • 28-, 43- and 53-key; Terminal Emulation (5250, 3270, VT) • Win CE: 3.8 in. QVGA mono or color	• Windows Mobile® 5.0 Premium (non-WAN) or Phone Edition (WAN) • Intel XScale Bulverde PXA270 processor at 624 MHz • 64MB RAM/128MB ROM 128MB RAM/128MB ROM SD/MMC card • User accessible SD card slot • 28-, 43- and 53-key • 3.8 in. QVGA color	• Windows Mobile® 5.0 (non-WAN) or Phone Edition (WAN) • Intel XScale Bulverde PXA270 processor at 624 MHz • 64MB RAM/128MB ROM 128MB RAM/128MB ROM SD/MMC card • User accessible SD card slot • 28-, 38-key alpha-prime, 38-key numeric- prime • 3.8 in. QVGA color
Rugged Specifications	• IP54 • 4 ft./1.22m drop to concrete • 500 1.65ft./.5m tumbles (1,000 drops)	• IP54 • 4 ft./1.22m drop to concrete • 500 1.65ft./.5m tumbles (1,000 drops)	• IP54 • 4 ft./1.22m drop to concrete • 500 1.65ft./.5m tumbles (1,000 drops)	• IP64 • 6 ft.1.8m drop to concrete • 2,000 3.28 ft./1m tumbles (4,000 drops)	• IP64 • 6 ft.1.8m drop to concrete • 2,000 3.28 ft./1m tumbles (4,000 drops)	• IP64 • 6 ft.1.8m drop to concrete • 2,000 3.28 ft./1m tumbles (4,000 drops)
Data Capture	• 1D	• 1D, 2D, Image Capture, DPM	• 1D, 2D, Image Capture	• 1D, 2D, Image Capture, Long Range Scanning	• 1D, 2D, Image Capture	• 1D, 2D, Image Capture
Integrated Voice		• Optional VoIP-ready • Push-to-talk • Peer-to-peer • PBX connectivity • 1-to-1 • 1-to-many	• Optional VoIP-ready • Push-to-talk • Peer-to-peer • PBX connectivity • 1-to-1 • 1-to-many	• Optional VoIP-ready • Push-to-talk • Peer-to-peer • PBX connectivity • 1-to-1 • 1-to-many	• Wired headset • Speakerphone • Bluetooth wireless headset	• Wired headset • Speakerphone • Bluetooth wireless headset
Connectivity		• Tri-mode 802.11a/b/g • Bluetooth	• Tri-mode 802.11a/b/g • Bluetooth	• Tri-mode 802.11a/b/g • Bluetooth	• Integrated quadband EDGE/ GPRS/GSM or iDEN (CDMA 1XRTT—MC9063 only) • Tri-mode 802.11a/b/g • Bluetooth	• Integrated quadband EDGE/ GPRS/GSM or iDEN (CDMA 1XRTT—MC9063 only) • Tri-mode 802.11a/b/g • Bluetooth
Manageability	MSP compatible	MSP compatible	MSP compatible	MSP compatible	MSP compatible	MSP compatible
Warranty	1 year	1 year	1 year	1 year	1 year	1 year
Recommended Services	Service from the Start with Comprehensive Coverage	Service from the Start with Comprehensive Coverage	Service from the Start with Comprehensive Coverage	Service from the Start with Comprehensive Coverage	Service from the Start with Comprehensive Coverage	Service from the Start with Comprehensive Coverage

	MC9090-G RFID	MC9097-K/S	VC5090	WT4000 Series Wearable Terminal	RS309 Wearable Scanner	RS409 Ring Scanner
Description	The exceptionally rugged and flexible MC9090-G RFID is ideal in enterprises with multiple types of product identification and tracking systems deployed — the device can read and write Gen 1 and Gen 2 RFID tags, capture 1D and 2D bar codes and images.	This comprehensive integrated voice and data device offers push-to-talk functionality via Nextel Nationwide Walkie-Talkie service; Assisted GPS for tracking applications, seamless connectivity to nearly any wireless LAN, and a full complement of scanning and image capture capabilities.	Whether your workers are on forklifts or at fixed stations like a workbench, the rugged VC5090 enables real-time wireless voice and data communications on the loading dock, in the freezer, and on the warehouse floor. Available in two models — full and half screen.	This next generation wearable device combines an ergonomic and hands-free design with the latest in processing power and wireless networking to deliver real-time transaction visibility and maximum application flexibility — text, voice or a combination of text and voice.	Part of the WT4000 Series, this hands-free lightweight back of the hand scanner works in conjunction with the WT4000 to enable workers to capture nearly any bar code on the warehouse floor to the freezer from a minimum range of 7 in./ 17.78 cm to 54 in./137.16 cm.	Part of the WT4000 Series, the RS409 Ring Scanner combines superior performance with unparalleled freedom. The rugged and ergonomic device is worn directly on a finger or over a gloved hand, and can read even poorly printed or damaged bar codes regardless of lighting conditions symbol type.
Physical Characteristics	• Microsoft Windows® CE.NET or Windows Mobile 2003 • Intel XScale Bulverde PXA270 processor at 624 MHz • 64MB RAM/128MB ROM • SD/MMC card • 28-, 43- and 53-key; Terminal Emulation (5250, 3270, VT) • 3.8 in. QVGA color	• Microsoft Windows® Premium Phone Edition • Intel XScale Bulverde PXA270 processor at 624 MHz • 64MB RAM/128MB Flash 128MB RAM/128 MB Flash • SD/MMC card • MC9097-K: 28-, 43- and 53-key; MC9097-S: 28-, 38-Alpha or 38-Numeric; 53-key terminal emulation (5250, 3270, VT on MC9090-K) • 3.8 in. QVGA color	• Windows CE 5.0 Professional • Intel XScale PXA270 processor at 624 MHz • 64MB SDRAM/192MB Flash (non-RoHS compliant); 128MB SDRAM/192MB Flash (RoHS compliant) • SD Memory Card • QWERTY, 65-key with tactile feedback and audible key beep; heated and sealed; function keys F1-F24 • Full screen: Color 12.1 in. SVGA 800x600 Half screen: Color 10.5 in. half-SVGA 800x320	• Windows CE 5.0 Professional • Intel XScale PXA270 @ 520 MHz • 64MB RAM/128MB ROM • 23 key alpha-numeric with two orderable options for alpha entry: legacy color-coded alpha entry; cell phone-like alpha entry • QVGA in landscape mode (320 x 240); Backlit color TFT, no touch screen	• Windows CE 5.0 Professional	
Rugged Specifications	• IP64 • 6 ft.1.8m drop to concrete • 2,000 3.28 ft./1m tumbles (4,000 drops)	• IP64 • 6 ft.1.8m drop to concrete • 2,000 3.28 ft./1m tumbles (4,000 drops)	• IP66 + MIL-STK-810F military rating	• IP54 • 4 ft./1.2m drop to concrete across the operating temperature range • 500 1.65ft./.5m tumbles (1,000 drops)	• IP54 • 4 ft./1.2 m drop to concrete	• IP54 • 4 ft./1.2 m drop to concrete
Data Capture	• 1D, 2D, Image Capture, DPM, Gen1 and Gen2 capable	• 1D, 2D, Image Capture	• 1D, 2D, Image Capture	• 1D, 2D		
Integrated Voice		• Wired headset • Speakerphone • Bluetooth wireless headset	• VoIP handset • Voice-picking headset • Speakerphone			
Connectivity	• Integrated quadband EDGE/ GPRS/GSM or iDEN (CDMA 1XRTT—MC9063 only) • 802.11b • Bluetooth	• Sprint/Nextel/Nationwide Walkie-Talkie, aGPS • Tri-mode 802.11a*/b/g • Bluetooth	• 802.11a*/b/g • Bluetooth	• 802.11a*/b/g • Bluetooth		
Manageability	MSP compatible	MSP compatible	MSP compatible	MSP compatible		
Warranty	1 year	1 year	1 year	1 year	1 year	1 year
Recommended Services	Service from the Start with Comprehensive Coverage	Service from the Start with Comprehensive Coverage	Service from the Start with Comprehensive Coverage	Service from the Start with Comprehensive Coverage	Service from the Start — Bronze	Service from the Start — Bronze

Mobile Computers — Enterprise Class

	MC50	MC70	PPT88xx	PSS/PSS3050	CS1504
Description	The MC50 is a durable enterprise digital assistant that combines an enhanced PDA-style small lightweight design with advanced data capture options, flexible voice and data communication and easy wireless local area network (WLAN) synchronization.	The MC70 Enterprise Digital Assistant (EDA) is a rugged handheld mobile device that incorporates a mobile phone, PDA, computer, scanner and/or imager in a single unit designed for the rigors of all-day, everyday usage.	The lightweight and durable PPT88xx combines superior data capture and real-time wireless communications in a compact device that can be placed in a pocket or worn on a hip.	The PSS system allows retailers to deploy the latest in shopping convenience, enabling customers to obtain product information and pricing as well as access gift registries, in-store specials and personalized coupons based on prior buying patterns.	The CS1504 simplifies the shopping experience for customers in and out of the store. A quick scan of a bar code on a product, in a catalog or an advertisement can return information on price, features, rebates, availability and similar products, easily create re-order lists or gift registries.
Physical Characteristics	• Windows Mobile™ 2003 Second Edition • Intel XScale 520 Mhz processor • 64MB RAM/64MB ROM • User accessible SDIO slot (with secure cover) • NAV: 4 application keys and 5-way navigation key. QWERTY: 37-key • Transflective color TFT-LCD, 65K colors, 240 W x 320 L (QVGA size)	• Windows Mobile™ 5.0 Premium or Phone Edition • Intel XScale 624 Mhz processor • 64MB RAM/128MB ROM 28MB RAM/128MB ROM • User accessible SDIO slot (with secure cover); accommodates extended cards (with cover removed) • 26 Numeric key; 44 QWERTY key • Transflective color 3.5" QVGA with backlight, TFT-LCD, 65K colors, 240 W x 320 L (QVGA size)	• Choice of Microsoft Windows® Mobile 2003 or CE.net v4.1 • Intel XScale 300 Mhz processor • 32MB RAM/32MB ROM • Standard version and 15-key with power button version • Transflective color TFT-LCD, 65K colors, 240 W x 320 L (QVGA size)	• PSS Mobility Architecture • Intel XScale 300 Mhz processor • 1MB Flash Memory; programs run from Flash • 4 keys + trigger; programmable • 8 line x 20 character of text or 64 x 128 pixels for graphics	
Rugged Specifications	• IP54 • 3 ft./.91m drop to tile over concrete	• IP54 • 4 ft./1.22m drop to concrete • 1,000 1.658 ft./.5m tumbles (2,000 drops)	• IP54 • 4 ft./1.22m drop to concrete	• IP54 • 4 ft./1.22m drop to smooth linoleum	
Data Capture	• 1D, 2D, Image Capture	• 1D, 2D, Image Capture, Long Range Scanning	• 1D	• 1D	
Integrated Voice	Optional VoIP-ready • Push-to-talk • Peer-to-peer • PBX connectivity • 1-to-1 • 1-to-many				
Connectivity	• 802.11b	• eGPRS/GSM/EVDO (Available Q1 2007) • 802.11a*/b/g • Bluetooth	• 802.11b • Bluetooth	• 802.11b	
Manageability					
Warranty	1 year	1 year	1 year	1 year	3 months
Recommended Services	Service from the Start with Comprehensive Coverage	Service from the Start with Comprehensive Coverage	Service from the Start — Bronze	Service from the Start — Bronze	N/A

Symbol PocketBrowser

Develop and deploy robust mobile applications — quickly, easily and cost-effectively with Symbol PocketBrowser from Motorola. PocketBrowser offers a powerful combination of a familiar interface, a feature-rich programming environment and a server-centric architecture, allowing programming teams inside the enterprise as well as outside agencies to effectively streamline the development and deployment of productivity-enhancing mobile applications. Built on Pocket Internet Explorer and Internet Explorer, PocketBrowser provides a familiar development environment and deployment tools enable the creation of robust easy-to-use and easy-to-manage enterprise mobility applications capable of integrating the latest in productivity-enhancing capabilities — from bar code scanning, imaging, RFID and printing — in record time. Feature highlights include:

- **Integrated bar code scanning and RFID capture:** Easily create applications that fully leverage the bar code scanning and RFID capabilities in Motorola mobile computing devices.
- **Integrated signature capture:** Quickly enable the capture of signatures without developing a time-intensive in-house mechanism — or requiring a costly third-party snap on accessory that must be purchased and supported, adding capital and operational expense.
- **Battery/ RF signal strength:** Easily provide end-users with visibility into battery life and wireless coverage signal strength, reducing down time and unnecessary support calls.
- **HTTP and FTP image transfer:** With just a few lines of code, web developers can easily create bi-directional image transfer applications. For example, a delivery confirmation application, complete with signature capture and pictures of delivered or damaged packages - enables enterprises to extend real-time proof of delivery web-based applications to customers to increase service and satisfaction levels as well as business efficiency.
- **Mobile printing support:** Support for mobile accessories such as printers enables the easy creation of applications that allow printing of labels or receipts in real time. And support for virtually any mobile printer provides maximum integration flexibility, enabling customers to utilize and leverage their current investment in existing equipment.
- **Software support:** Maximize the availability and reliability of the PocketBrowser software with a software support agreement, which provides ready-access to technical support resources, as well as access and rights to use all updates and upgrades — including major product releases.

Payment Systems

	Symbol PD4700	Symbol PD4750	Symbol PD8700/PD8705
Description	The durable Symbol PD4700 offers fast, secure debit, credit, smart card and contactless payment support and a 160 x 80 monochrome display that delivers sharp and easy to read on-screen graphics. An intuitive visual development tool simplifies robust application development, and multiple on-board host interfaces enable easy integration into your existing environment.	The Symbol PD4750 builds on the functionality of the Symbol PD4700, adding a 16-shade grayscale pressure-resistant touchscreen display that enables high-quality signature capture and the display of crisp on-screen graphics for advertising and other promotional messages.	The Symbol PD8700/PD8705 build on the functionality of the Symbol PD4700, adding robust display capabilities to support customer-oriented payment and non-payment applications. The large 5.7 in./14.47 cm backlit color display presents vibrant, high quality images that are easy to see in dim or well-lit areas, and a pressure sensitive touchscreen supports both finger and stylus pen touch for high quality signature capture and reliable PIN entry.
Physical Characteristics	• Intel XScale 200 MHz, 32-bit processor • 4MB Flash 8MB SDRAM (standard) • 100,000 hours (MTBF calculated)	• Intel XScale 200 MHz, 32-bit processor • 4MB Flash/8MB SDRAM (standard) • 100,000 hours (MTBF calculated)	• Intel XScale 200 MHz, 32-bit processor • 4MB Flash/ 8MB SDRAM (standard); 8MB Flash/16MB SDRAM (optional) • 100,000 hours (MTBF calculated)
Card Reader	• Magnetic stripe: Bi-directional, dual-head, 3 track reader (standard • Smart Card (optional): EMV level-1; ISO 7816; non-captive; 3v and 5v cards; two 5v SAMS • Contactless payment: Integrated (optional); compliant with ISO 14443 A & B; supports American Express, MasterCard and Visa	• Magnetic stripe: Bi-directional, dual-head, 3 track reader (standard • Smart Card (optional): EMV level-1; ISO 7816; non-captive; 3v and 5v cards; two 5v SAMS • Contactless payment: Integrated (optional); compliant with ISO 14443 A & B; supports American Express, MasterCard and Visa	• Magnetic stripe: Bi-directional, dual-head, 3 track reader (standard • Smart Card (optional): EMV level-1; ISO 7816; non-captive; 3v and 5v cards; two 5v SAMS • Contactless payment: Integrated (optional); compliant with ISO 14443 A & B
Encryption	• DES: Visa PED approved; PIN-ANSI X9.8, MAC-ANSI X9.9 Prt 1- ANSI X9.24 • Triple DES: ANSI X9.52 • Key management: DUKPT and master/session keys	• DES: Visa PED approved; PIN-ANSI X9.8, MAC-ANSI X9.9 Prt 1-ANSI X9.24 • Triple DES: ANSI X9.52 • Key management: DUKPT and master/session keys	• DES: Visa PED approved; PIN-ANSI X9.8, MAC-ANSI X9.9 Prt 1- ANSI X9.24 • Triple DES: ANSI X9.52 • Key management: DUKPT and master/session keys
Display	• Backlit monochrome LCD; 160 x 80 pixels	• 16-shade grayscale backlit LCD; 220x 80 pixels	• High contrast, 5.7 in. 1/4 VGA color backlit LCD (standard); 320 L x 240 W, 65, 536 colors
Keypad	• 13 color-coded keys; splash-resistant; hard keycaps; six screen addressable function keys; attached privacy shield	• 13 color-coded keys; splash-resistant; hard keycaps; attached privacy shield	• 13 color-coded keys; splash-resistant; hard keycaps; attached privacy shield
Touchscreen	• N/A	• Resistive, transparent, pressure sensitive technology; touchscreen with screen protector; screen protector absence sensor prohibits use without screen protector in place	• Resistive, transparent, pressure sensitive technology; touchscreen with screen protector; screen protector absence sensor prohibits use without screen protector in place
Touchpad	• N/A	• N/A	• Resistive, transparent, pressure sensitive technology • 4096 x 4096 x, y coordinates; 910 Hori. x 1260 Ver. Dpi
Connectivity	Mini-DIN port: RS-232 asynchronous; Client USB IBM-retail with power-in (12/24v); 10/100Base-T Ethernet RJ-45 connector	Mini-DIN port: RS-232 asynchronous; Client USB IBM- retail with power-in (12/24v); 10/100 Base-T Ethernet RJ-45 connector	Two RS-232 ports (if contactless payments reader is configured, only one RS-232 port is available); 12v/24v powered USB ports; optional 10/100 Base-T Ethernet RJ-45 connector; optional compact flash, 3.3v cards only
Application Development Tools	• Forms Builder: Application Development Tool • FPE Developers Toolkit: — Win32: Windows 2000/XP; DOS; IBM 4690/IBM EFT Protocol; OPOS; JPOS	• Forms Builder: Application Development Tool • FPE Developers Toolkit: — Win32: Windows 2000/XP; DOS; IBM 4690/IBM EFT Protocol; OPOS; JPOS	• Forms Builder: Application Development Tool • FPE Developers Toolkit: — Win32: Windows 2000/XP; DOS; IBM 4690/IBM EFT Protocol; OPOS; JPOS
Warranty	3 years	3 years	3 years
Recommended Services	Service from the Start — Bronze with Comprehensive Coverage	Service from the Start — Bronze with Comprehensive Coverage	Service from the Start — Bronze with Comprehensive Coverage

Wireless Infrastructure: Wireless Switches

	WS2000 Wireless Switch	WS5100 Wireless Switch	RFS7000* Wireless Switch
Description	The WS2000 Wireless Switch offers an easy to manage network-in-a-box solution for small to medium-sized enterprises and branch offices, including an integrated router, gateway, firewall, and Power-over- Ethernet (PoE).	The Wi-NG-based WS5100 provides robust support for enterprise mobility, including increased security, manageability, L3 roaming capabilities and quality of service (QoS).	Designed for large scale, high bandwidth deployments, the RFS7000 provides robust, highly scalable support for enterprise mobility, offering enhanced roaming, security, quality of service and management features. (*Available Q107)
General Characteristics	• 802.11a/b/g • Supports up to 6 802.11a/b/g access ports • Supports up to 8 WLANs • Supports up to 200 mobile devices • Packet filtering: L2/3/4 Stateful Packet Analysis; Network Address Translation • Hotspot capable • Redundancy: Active: Standby	• 802.11a/b/g • Wi-NG architecture • Supports up to 48 802.11a/b/g access ports • Supports up to 32 WLANs • Supports up to 4000 mobile devices • Packet filtering: L2/3/4 Stateful Packet Analysis; Network Address Translation • Hotspot capable • Redundancy: Active: Standby; Clustering provides Active:Active; 1: many availability	• 802.11a/b/g • Wi-NG architecture • Supports up to 256 802.11a/b/g access ports • Supports up to 256 WLANs • Supports up to 8000 mobile devices • Packet filtering: L2/3/4 Stateful Packet Analysis; Network Address Translation • Hotspot capable • Redundancy: Active: Standby; Clustering provides Active:Active; 1: many availability
Authentication Mechanisms	• Access control lists (ACLs) • Kerberos • 802.1x/EAP • Integrated AAA server	• Access control lists (ACLs) • Kerberos • 802.1x/EAP • Integrated AAA server	• Access control lists (ACLs) • Kerberos • 802.1x/EAP • Integrated AAA server
Encryption Mechanisms	• WEP 40M28 (RC4) • Keyguard • WPA-TKIP • WPA2-CCMP (AES)	• WEP 40M28 (RC4) • Keyguard • WPA-TKIP • WPA2-CCMP (AES) • WPA2 TKIP	• WEP 40M28 (RC4) • Keyguard • WPA-TKIP • WPA2-CCMP (AES) • WPA2 TKIP
Optimized Wireless QoS	• Voice prioritization • Wireless bandwidth management • WMM • SpectraLink Voice Prioritization	• Voice prioritization • Wireless bandwidth management • WMM • SpectraLink Voice Prioritization	• Voice prioritization • Wireless bandwidth management • WMM • SpectraLink Voice Prioritization
Value Add Motorola-only Features	• Pre-emptive roaming • Load balancing • Power save polling (PSP) • Virtual AP	• Pre-emptive roaming • Load balancing • Power save polling (PSP) • Virtual AP	• Pre-emptive roaming • Load balancing • Power save polling (PSP) • Virtual AP
Warranty	Hardware – 1 year; Software – 90 days	Hardware –1 year; Software – 90 days	Hardware – 1 year; Software – 90 days
Recommended Services	Service from the Start Advance Exchange Support	Service from the Start Advance Exchange Support	Service from the Start Advance Exchange Support

Wireless LAN Infrastructure: Access Ports

	AP300 (Internal Antennas)	AP300 (External Antennas)
Description	This low-cost thin device provides the wireless connection point for mobile devices for Motorola wireless switches.	Offers the same functionality as the AP300 with Internal Antennas, plus a greater operating temperature range and above-ceiling mounting capability.
WLAN	802.11a/b/g	802.11a/b/g
PoE	802.3af	802.3af
Housing	N/A	Plenum-rated
Operating Temperature	32°F to 104°F/0°C to 40°C	4°F to 122°F/-20°C to 50°C
Wireless Medium	DSSS and ODFM	DSSS and ODFM
Security	• 802.11i • WPA2 • WPA • 3DES IP Sec Encryption	• 802.11i • WPA2 • WPA • 3DES IP Sec Encryption
Mounting	Wall; ceiling (below tile only)	Wall; ceiling (above or below tile)
Warranty	Hardware – 1 year Software – N/A	1 Hardware – 1 year Software – N/A
Recommended Services	Service from the Start Advance Exchange Support	Service from the Start Advance Exchange Support

Wireless LAN Infrastructure: Access Points

	AP-5131 Access Point	AP-5181 Access Point
Description	Enterprise-class wired and wireless networking for small offices and retail locations, and mesh networking for cost-effective extension of the corporate network in difficult-to-cable areas	Specifically designed for outdoor use, Symbol's AP-5181 delivers enterprise-class wireless networking in harsh environments. Support of mesh networking enables rapid and inexpensive deployment in difficult-to-cable areas.
General Specifications	• 802.11a/b/g; DSSS and ODFM • 802.3af Power-over-Ethernet (PoE) • Mesh networking • Plenum-rated housing • Up to 127 devices supported • -4°F to 122°F/-20°C to 50°C • Desktop; wall; above drop and under-ceiling • Hotspot capable	• 802.11a/b/g; DSSS and ODFM • 802.3af Power-over-Ethernet (PoE) • Mesh networking • Plenum-rated housing; IP56; NEMA 4X • Up to 127 devices supported • -22°F to 131°F/-30°C to 55°C • Wall; pole • Hotspot capable
Security	• 802.11i • WPA2 • WPA • 3DES IP Sec encryption • VPN Client • AAA server • Integrated firewall • DHCP server • Rogue AP detection	• 802.11i • WPA2 • WPA • 3DES IP Sec encryption • VPN Client • AAA server • Integrated firewall • DHCP server • Rogue AP detection
Optimized Wireless QoS	• Voice prioritization • WMM • QoS	• Voice prioritization • WMM • QoS
Accessories	802.3af power injector	Heavy weather mounting kit; surge-protector power tap kit; outdoor dual-band antennas
Warranty	1 year	1 year
Recommended Services	Service from the Start Advance Exchange Support	Service from the Start Advance Exchange Support

Wireless LAN Infrastructure: Bridges and Client Adapters

	CB3000	LA-4137	LA-5127**
Description	The CB3000 provides robust, enterprise-class wireless connectivity for Ethernet-enabled devices such as printers, scales and point-of-sale equipment without card slots or native wireless capabilities.	The Wireless Networker CompactFlash card delivers 802.11b wireless connectivity to today's pocket PCs, PDAs, computers and embedded equipment with CF sockets or CF-to-PC card adapters.	Optimized for embedded mobile applications, the LA5127 Wireless Networker CompactFlash card delivers the power of 802.11b/g wireless connectivity to enterprise devices and industrial equipment. (**Available Q107)
WLAN	• 802.11a/b/g	• 802.11b	• 802.11b/g
Security	• WEP 40/128 • WPA and AES encryption • 802.1x support with PEAP • EAP/TLA • EAP/TTLS authentication	• WEP 40/128	• WEP • WPA/WPA2 Personal and Enterprise • EAP-TLS • EAP-TTLS • PEAP v0; PEAP v1; • EAP-SIM (802.1x)
Features	• Work group bridge with support for up to 16 client devices • IBM POS protocol support • Ad hoc mode (CB3000 to CB3000) for easy sharing of printers and other peripherals • Embedded secure web server for anywhere, anytime management • SNMP v2 support for easy integration with standard management systems	• Supports both Pocket PC and Windows PC operating system • CompactFlash form factor type I/II provides support for a wide variety of devices — from notebooks to handheld computers and PDSs • Automatic data rate and channel selection provide optimized throughput and range for continuity of connection • Advanced power management capabilities ensure low power consumption — and extended client device battery life	• Robust security for Linux and Windows applications • CompactFlash type I/II form factor with 16-bit PC card interface • Upgradeable hard MAC with on-card memory • Comprehensive software development kit for OEM products • Worldwide regulatory approval backed by Motorola service and support
Warranty	Hardware –1 year; Software – 90 days	Hardware –1 year; Software – N/A	Hardware –1 year; Software – N/A
Recommended Services	Service from the Start Advance Exchange Support	Service from the Start — Bronze	Service from the Start — Bronze

Wireless LAN Infrastructure: Power-over-Ethernet

	802.3af Single Port Power Injector	ES3000
Description	Delivers power to individual Motorola access ports and access points via standard Ethernet cabling, simplifying installation and eliminating the need — and associated expense — for cabling and power outlets.	The ES3000 provides the best of both worlds: the Ethernet functionality you need with robust wireless networking support, including Power-over-Ethernet capability for up to 24 access ports/points. The result is single device simplicity with the features and functionality you need to achieve optimal performance and operational efficiency in your wireless network.
Features	• Cost-effective power solution for small site deployments • Supports AP300 Access Ports, AP5131 and AP5181 Access Ports • Provides effective independent overload and short circuit protection per port • Desktop or wall mount • AC and Ethernet 10/100 ports • Operating temperature: 32°F to 104°F/0°C to 40°C	• Supports AP300 Access Ports, AP5131 and AP5181 Access Ports • Rack mount • 24 port 10/100 Base-T + 2 GE (Copper standard/Fiber optional) • 802.3af PoE • Operating temperature 32°F to 104°F/0°C to 40°C • Virtual LAN — Supports IEEE 802.1Q • QoS — Supports IEEE 802.1p Class of Service (CoS) and Differentiated Service (DiffServ) • Resilience — Supports IEEE 802.1d Spanning Tree; IEEE 802.1s Multiple Spanning Tree and IEEE802.1w Rapid Spanning Tree • GVRP • Link Aggregation IEEE 802.1ad • IGMP Snooping • IEEE 802.1x • Port mirroring • Security filtering or Access Control Lists (ACLs) • SNMP version 2 • FLow control IEEE 802.3x • Flexible interfaces — CLI, Web, menu-based • DHCP client/Bootp, TFTP, Telnet
Recommended Services	Service from the Start Advance Exchange Support	Service from the Start Advance Exchange Support

Enterprise Mobility Services

Scanners	Mobile Computers	Wireless and RFID	MSP
ADVANCED SERVICES			
		Advanced Services for Wireless IPS Advanced Services for RFID	Advanced Services for MSP
CUSTOMER SERVICES — SERVICE FROM THE START PROGRAMS			
Advance Exchange Support* Service from the Start	Service from the Start with Comprehensive Coverage* Service from the Start On Site System Support for the VC5090	On Site System Support Premium RFID On Site System Support Advance Exchange Support (For access points and readers)	MSP System Support MSP Software-only Support**
SOFTWARE SUPPORT SERVICES (ANNUAL CONTRACTS)			
		Software Support for Wireless IPS Software Support for Wireless Infrastructure Devices Software Support for RF Management Software	

*Comprehensive Coverage included for:
MOBILE COMPUTERS: MC50 EDA, MC70 EDA, MC1000, MC3000 Family, MC9000 Series and VC5090
BAR CODE SCANNERS: LS1203, LS2208, LS3008, DS660x, LS9208, M200x, DS340x, DS670x, LS4208, LS9203, LS340x and LS7708

** Also available as an annual contract

Motorola's full suite of Enterprise Mobility Services is available to provide assistance pre- and post-deployment. Our Advanced Services are available to assist you with any stage of development of your mobility solution — from planning and assessment through design and deployment. And once your mobility solution is up and running, our Customer Services keep your products up and running at peak performance.

Highlights — Selected Services

ADVANCED SERVICES provide the expertise you need to develop and implement enterprise mobility solutions that are designed from the ground up to deliver maximum return on investment.

Regardless of whether you are deploying a wireless LAN, RFID technology, or a specific Motorola offering such as Wireless IPS or Mobility Services Platform (MSP), you can depend on assistance every step of the way. Tiered programs incorporate an integrated lifecycle approach — from planning and assessment through design, deployment and implementation — into a single streamlined program.

CUSTOMER SERVICES programs provide service levels well above and beyond standard warranty coverage to help ensure maximum uptime. Our flexible offerings allow you to choose the service that best meet your needs, including a choice of repair turn-around times, response options, same day shipping of replacement units, on site service, software support, and more.

Our service programs are delivered through an integrated global support infrastructure that includes everything from local language technical support, around-the-clock coverage and cost effective service centers. You are assured that assistance is available whenever you need it — via the phone or the Web, at our service centers or at your location.

Service from the Start programs provide total peace of mind, multiple years of service coverage, and protection that begins from the date of purchase. Service from the Start must be purchased within 30 days of the product purchase.

SERVICE FROM THE START WITH COMPREHENSIVE COVERAGE sets a new standard for service from the first day of your hardware purchase. It extends normal wear and tear coverage to cracked plastics, broken screens and other internal and external components damaged through accidental breakage. Select Bronze level for 3-day in-house turnaround time or Gold for next-business day advance replacement.

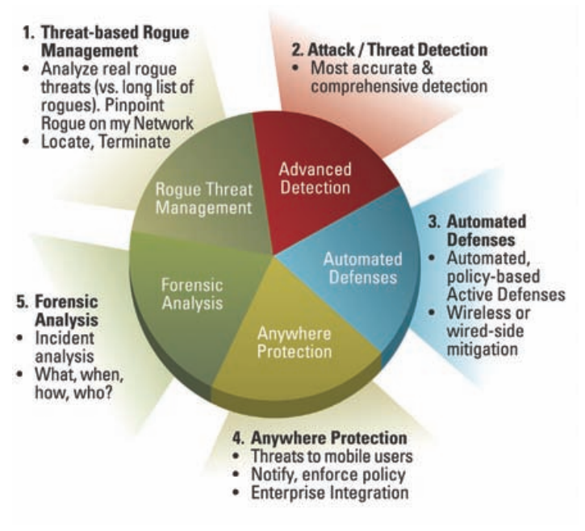
ADVANCE EXCHANGE SUPPORT is a simple, cost-effective way to manage products needing repair, particularly when you have widely dispersed locations. Advance Exchange Support provides ready-to-go repaired product where you need it. Place a call and we'll ship a replacement for next-business-day delivery. It's easy, fast and reliable.

PREMIUM RFID ON SITE SYSTEM SUPPORT takes service to the next level to keep your Motorola RFID system running at peak performance. This integrated support package provides around-the-clock coverage for your entire RFID system -- from readers to antennas and cables.

For information on these and other Enterprise Mobility Services, please visit: www.symbol.com/services

Mobility Software

Wireless Intrusion Protection System (IPS)


1. Threat-based Rogue Management
• Analyze real rogue threats (vs. long list of rogues). Pinpoint Rogue on my Network
• Locate, Terminate
2. Attack / Threat Detection
• Most accurate & comprehensive detection
3. Automated Defenses
• Automated, policy-based Active Defenses
• Wireless or wired-side mitigation
4. Anywhere Protection
• Threats to mobile users
• Notify, enforce policy
• Enterprise Integration
5. Forensic Analysis
• Incident analysis
• What, when, how, who?
Rogue Threat Management
Advanced Detection
Automated Defenses
Anywhere Protection
Forensic Analysis

Motorola's Wireless Intrusion Protection System (IPS) is the choice for around-the-clock protection, guarding your 802.11a/b/g wireless network infrastructure, client devices and traffic from a wide variety of threats, and providing the monitoring capability to ensure peak WLAN performance every day. Attacks and unauthorized access to the network are reported in real time to enable immediate response to threats. Network vulnerabilities are also identified, enabling correction before potential security issues arise. And where distributed architectures rely on fat sensors that increase costs, and centralized architectures require high-bandwidth utilization, Wireless IPS offers a hybrid architecture that delivers the best of both worlds. The result is a next-generation split intelligence architecture that is scalable, simple to deploy, and easy to upgrade — delivering outstanding investment protection and a lower overall cost of ownership.

Features

- Continuous WLAN monitoring: real-time identification of hackers, attacks and system weak spots
- Rogue/intrusion detection: real-time detection of all rogue devices — from access points to client devices, and ad-hoc networks
- Vulnerability assessment: identifies network weaknesses, such as misconfigurations on devices and weak encryption implementations
- Accurate locationing: quickly pinpoints any device on the network
- Policy enforcement: provides instant notification of violation
- Rogue device termination: enables rapid response to attacks by allowing security administrators to terminate rogue device connections
- Centralized management: a powerful user interface that is easy to use and customize for a variety of user levels

Services

- Wireless IPS Advanced Services offer true lifecycle support for Wireless IPS deployments, from planning and assessment through analysis and design and implementation. Standard Commissioning is available for small deployments, Full Commissioning for mid-sized single geography/multi-campus deployments and Custom Commissioning for wide-scale multi-location and/or multi-geographies.
- Wireless IPS Software Support is a one-year service that provides up-to-date protection against the latest threats and attacks with access to software updates and upgrades, technical support engineers, case status and other product information on the Web.

Recommended Services

- Wireless IPS Standard Commissioning; Wireless IPS Software Support

RF Management Software (RFMS)

Motorola's RF Management Software provides your IT staff with all the tools they need to plan, monitor and analyze the health of your wireless network — all from a single laptop or desktop computer. Get the tools you need to create a robust plan design for your wireless LAN, from predicted heatmaps for site planning to the automatic generation of configurations for wireless infrastructure (switches and access ports). The web-based intuitive interface is designed to enable even network administrators with little or no RF experience to take full control of Wi-Fi networks within a few hours of installation. With a 'big picture' view of your wireless infrastructure, you can accurately assess RF conditions and performance, and determine any action required to keep or restore performance to company standards.

Features

- Full Wi-Fi network planning suite: identify and correct potential site problems in the planning stages, avoiding time-consuming and potentially costly re-work in network deployment.
- Auto placement: innovative algorithms suggest optimal AP placement as an aid to planning.
- Graphical display of KPIs and real-time network statistics: visual data/ time trending is faster and easier to analyze, simplifying monitoring and troubleshooting.
- Wi-Fi network troubleshooting: over 200 statistics displayed in a variety of reports help quickly identify and resolve issues with your Wi-Fi network.
- Intrusion detection: instantly see if, when and where unauthorized users access the network.
- Device search: locate specific pieces of equipment quickly and easily.

Services

- Keep this critical WLAN management tool up-to-date and enabled with the latest features and functionality with RF Management Software Support. From priority call handling and instant access to software updates and upgrades to rapid problem resolution, this one-year service delivers support 24x7x365 — by phone, email or Web site.

Recommended Services

- Software Support for RF Management Software

Mobility Services Platform (MSP)

Simplify and reduce the cost of managing your enterprise mobility solution with anywhere anytime, end-to-end visibility and control of all your mobile devices, mobile applications and wireless infrastructure. An intuitive Web-based interface provides convenient and flexible anywhere, anytime management. And a comprehensive set of features enables full lifecycle management, allowing you to easily deploy, monitor, track and transition all your devices — from mobile computers and bar code scanners to access points, wireless switches and access ports. This scalable solution is ideal for any size environment — from a single corporate office to many locations around the world, and from hundreds to thousands of handheld computers, bar code scanners, wireless switches, access points and other mobile devices.

Features

The major components of MSP are:

- MSP Server: Available for two different versions of Linux, the MSP Server supports up to 5,000 mobile devices. MSP Servers can be used individually or in a group to manage very large distributed environments.
- MSP Console: The MSP Console is a Web-based user interface that provides anywhere, anytime management of your entire enterprise mobility implementation.
- MSP Agents: Resident on mobile devices, these software agents collect a wide variety of monitoring information from your mobile devices and wireless infrastructure, such as battery level, network statistics, CPU utilization and configuration information.
- Broad mobile device support: expanded Motorola and non-Motorola devicesincluding Pocket PC, Palm, Windows Mobile, Windows CE, CE .NET and Windows 2000/XP/NT.
- Full support for Motorola wireless network infrastructure, including wireless switches, access ports and access points.
- Ability to automatically update applications, firmware and operating systemsfor all devices from a single centralized location.
- Push and pull dual-mode provisioning enables optimals scheduling of software updates at optimal times.

Services

- MSP Advanced Services offer true lifecycle support for MSP deployments, from planning and assessment through analysis and design and implementation. Standard Commissioning is available for small deployments, Full Commissioning for mid-sized single geography/multi-campus deployments and Custom Commissioning for wide-scale multi-location and/or multi-geographies.
- MSP System Support keeps your MSP system up to date with the latest features and functionality, with access to the most current firmware upgrades for the term of your contract.

Recommended Services

- Advanced Services — Standard MSP Commissioning
- Service from the Start MSP System Support — Standard
- Service from the Start MSP Software-Only Support — Standard

Corporate Headquarters
Symbol Technologies,
A Motorola Company
One Symbol Plaza
Holtsville, NY 11742-1300
TEL: +1.800.722-6234
+1.631.738.2400
FAX: +1.631.738.5990

For Asia Pacific Area
Symbol Technologies,
A Motorola Company
(Singapore Branch)
Asia Pacific Division
230 Victoria Street #12-06/10
Bugis Junction Office Tower
Singapore 188024
TEL: +65.6796.9600
FAX: +65.6796.7199

For Europe, Middle East and Africa
Symbol Technologies,
A Motorola Company
EMEA Division
Symbol Place, Winnersh Triangle
Berkshire, England RG41 5TP
TEL: +44.118.9457000
FAX: +44.118.9457500

For North America, Latin America and Canada
Symbol Technologies,
A Motorola Company
The Americas
One Symbol Plaza
Holtsville, NY 11742-1300
TEL: +1.800.722.6234/+1.631.738.2400
FAX: +1.631.738.5990

Web Site
For a complete list of Symbol subsidiaries and business partners worldwide contact us at: **www.symbol.com**

E-mail
info@symbol.com

About Motorola

Motorola is known around the world for innovation and leadership in wireless and broadband communications. Inspired by our vision of Seamless Mobility, the people of Motorola are committed to helping you get and stay connected simply and seamlessly to the people, information, and entertainment that you want and need. We do this by designing and delivering "must have" products, "must do" experiences and powerful networks — along with a full complement of support services. A Fortune 100 company with global presence and impact, Motorola had sales of US $35.3 billion in 2005. For more information about our company, our people and our innovations, please visit **http://www.Motorola.com**

THE ENTERPRISE MOBILITY PRODUCT AND SERVICES PORTFOLIO

At-a-Glance Chart

PRODUCT OVERVIEW

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